



The Largest Ag-Genomics Meeting in the World.

PLANT & ANIMAL GENOME CONFERENCE XXIV

[www.intlpag.org](http://www.intlpag.org)

January 14-18, 2017 San Diego, CA

## P0322: The Agronomic Linked Data (AgroLD) Project

### POSTER

The drastic growth in data in the recent years, within the Agronomic sciences has brought the concept of knowledge management to the forefront. Some of the factors that contribute to this change include a) conducting high-throughput experiments have become affordable, the time spent in generating data through these experiments are minuscule when compared to its integration and analysis; b) publishing data over the web is fairly trivial and c) multiple databases exist for each type of data (i.e. 'omics' data) with a possible overlap or slight variation in its coverage. In most cases these sources remain autonomous and disconnected. Hence, efficiently managed data and the underlying knowledge in principle will make data analysis straightforward aiding in more efficient decision making. At the Institute of Computational Biology (IBC), we are involved in developing methods to aid data integration and knowledge management within the domain of Agronomic sciences to improve information accessibility and interoperability. To this end, we address the challenge by pursuing several complementary research directions towards: distributed, heterogeneous data integration.

This talk will focus mainly on, Agronomic Linked Data (AgroLD) which is a Semantic Web knowledge base designed to integrate data from various publically available plant centric data sources. These include Gramene, Oryzabase, TAIR and resources from the South Green platform among many others. The aim of AgroLD project is to provide a portal for bioinformaticians and domain experts to exploit the homogenized data towards enabling to bridge the knowledge.

### Authors

**Pierre Larmande**

*IRD, UMR DIADE, Institut de Biologie Computationnelle*

**Manuel Ruiz**

*CIRAD, UMR AGAP / CIAT*

**Nordine El Hassouni**

*INRA*

**Aravind Venkatesan**

*Institut de Biologie Computationnelle*

### View Related Events

**Poster Category:** [15 Bioinformatics: Databases](#)

**Program:** [Poster Abstracts](#)

